# (DOTS) Signal Channel Configuration Attributes for Robust Block Transmission

draft-bosh-dots-quick-blocks-03

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# Agenda

- Background
- Overview
- Next Steps

## Background (1)

- I-D.ietf-dots-telemetry adds ability to add in telemetry information using DOTS signal channel
- Despite signal channel data reduction techniques telemetry data can exceed a single packet
- RFC7959 blockwise transfers only properly work with CON transfers
  - However, DOTS signal channel uses NON for reliability under DDoS attacks

# Background (2)

- I-D.ietf-core-new-block written to provide new CoAP Options that provide robust methods for transferring large amount of data using NON
  - I-D.ietf-core-new-block is in the RFC Ed Queue
- I-D.ietf-core-new-block defines new session parameters which can be negotiated to fine tune the robust transfers
- Running code: Libcoap support for I-D.ietf-corenew-block

## draft-bosh-dots-quick-blocks

 Adds additional session negotiation parameters to support I-D.ietf-core-new-block

- 1		i	
+   +	Parameter Name	+-   +=	Default Value
	MAX_PAYLOADS		10
	NON_MAX_RETRANSMIT		4
	NON_TIMEOUT	1	2 s
	NON_RECEIVE_TIMEOUT		4 s
	NON_PROBING_WAIT		247 s
	NON_PARTIAL_TIMEOUT		247 s
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## draft-bosh-dots-quick-blocks

- Augments the YANG module of I-D.ietf-dotsrfc8782-bis
- Provides examples of use

#### **Next Steps**

Request WG adoption

Thank You